

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method, comprising:
 - a) transmitting and receiving data with a second device via a first physical communication link to a first device to establish an identity of the first device; and
 - b) using the established identity of the first device for authentication of communications from the first device received by the second device via a second physical communication link.
2. (Currently Amended) The method of claim 1, further comprising transferring the established identity to the second physical communication link.
3. (Currently Amended) The method of claim 1, further comprising:
 - sending a nonce to the first device via the first physical communication link; and
 - receiving at the second device at least one of the nonce and a function of the nonce from the first device via the second physical communication link.
4. (Original) The method of claim 3, further comprising encrypting the nonce at the second device for the first device.
5. (Currently Amended) The method of claim 1, further comprising:
 - receiving a nonce at the first device via the first physical communication link; and
 - sending at least one of the nonce and a function of the nonce from the first device via the second physical communication link.
6. (Currently Amended) The method of claim 1, further comprising:
 - determining an optimal communication link from a plurality of physical communications links between the first device and second device; and

using the established identity for communication between the first device and the second device via the optimal communication link.

7. (Currently Amended) The method of claim 1, further comprising:
periodically sending a nonce from the second device via the first physical communication link to the first device; and
maintaining the second physical communication link with the first device only if a response to the nonce is received from the first device via the second communication link.
8. (Original) The method of claim 1, wherein b) comprises:
determining an address of the first device; and
authenticating communications received from the address as being from the first device.
9. (Currently Amended) The method of claim 1, wherein b) comprises:
transmitting security credentials from the second device to the first device via the first communications link; and
identifying communications that utilize the security credentials received at the second device over the second physical communications link as being from the same first device.
10. (Currently Amended) The method of claim 9, further comprising:
receiving the security credentials at the first device;
encrypting data using the security credentials; and
sending the encrypted data via the second physical communications link.
11. (Currently Amended) The method of claim 9, further comprising decrypting encrypted data received via the second physical communications link at the second device in order to identify the first device.

12. (Currently Amended) A machine readable medium that provides instructions, when executed by a computing platform, cause said computing platform to perform operations comprising a method of:

transmitting and receiving data with a server via a first physical communication link to a client to establish an identity of the client; and

using the established identity for authentication of communications from the client received by the server via a second physical communication link between the client and the server.

13. (Currently Amended) The machine readable medium of claim 12, further comprising instructions, which when executed by a computing platform, cause said computing platform to perform further operations of:

sending a nonce to the client via the first physical communication link; and
receiving at the server at least one of the nonce and a function of the nonce from the client via the second physical communication link.

14. (Original) The machine readable medium of claim 13, further instructions, which when executed by a computing platform, cause said computing platform to perform further operation of perform encrypting the nonce for the client.

15. (Currently Amended) The machine readable medium of claim 12, further comprising instructions, which when executed by a computing platform, cause said computing platform to perform further operations of:

determining an optimal communication link from a plurality of physical communications links between the client and server; and

using the established identity for communication between the client and the server via the optimal communication link.

16. (Currently Amended) The machine readable medium of claim 12, further instructions, which when executed by a computing platform, cause said computing platform to perform further operations of:

periodically sending a nonce via the first physical communication link to the client; and
maintaining the second physical communication link with the client only if a response to the nonce is received from the client via the second physical communication link.

17. (Original) The machine readable medium of claim 12, further comprising instructions, which when executed by a computing platform, cause said computing platform to perform further operations of:

determining an address of the client; and
authenticating communications received from the address as being from the client.

18. (Currently Amended) The machine readable medium of claim 12, further comprising instructions, which when executed by a computing platform, cause said computing platform to perform further operations of:

transmitting security credentials from the server to a client via the first physical communications link; and
identifying communications that utilize the security credentials received at the server over the second physical communications link as being from the same client.

19. (Original) The machine readable medium of claim 21, further comprising instructions, which when executed by a computing platform, cause said computing platform to perform further operation of decrypting encrypted data from the client at the server in order to identify the client.

20. (Currently Amended) An apparatus comprising:

a first module adapted to establish an identity of a client device to a server via at least a first physical communications link; and

a second module adapted to authenticate the client device on another physical communications link based on the established identity.

21. (Original) The apparatus of claim 20, wherein the first communications links is authenticatable.

22. (Currently Amended) The apparatus of claim 20, wherein the other physical communications link is unauthenticatable.

23. (Currently Amended) The apparatus of claim 20, wherein the second module comprises a driver adapted to send a nonce to the client device via the first physical communication link and to receive the nonce or a function of the nonce from the client device via the other physical communication link.

24. (Currently Amended) The apparatus of claim 23, wherein the second module comprises a second driver adapted to receive a nonce at the client device via the first one of the physical communication links and to send the nonce or a function of the nonce to the server via the other of the physical communication link.

25. (Currently Amended) A machine readable medium that provides instructions, when executed by a computing platform, cause said computing platform to perform operations comprising a method of:

transmitting and receiving data with a client via a first physical communication link to a server to establish an identity of the client; and

transmitting and receiving data with the client via a second physical communication link between the client and the server using the established identity.

26. (Currently Amended) The machine readable medium of claim 25, further comprising instructions, which when executed by a computing platform, cause said computing platform to perform further operations of:

receiving a nonce at the client via the first physical communication link; and
sending at least one of the nonce and a function of the nonce to the server via the second physical communication link.

27. (Currently Amended) The machine readable medium of claim 25, further instructions, which when executed by a computing platform, cause said computing platform to perform further operations of:

periodically receiving at the client a nonce sent via the first physical communication link from the server; and
sending a response to the nonce from the client to the server via the second physical communication link.

28. (Currently Amended) The machine readable medium of claim 25, further instructions, which when executed by a computing platform, cause said computing platform to perform further operations of:

receiving security credentials at the client;
encrypting data at the client using the security credentials; and
sending the encrypted data to the server via the second physical communications link.